



U.S. Department  
of Transportation

**Pipeline and  
Hazardous  
Materials Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

**APR 12 2005**

DOT-E 13135  
(FIRST REVISION)

EXPIRATION DATE: March 31, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Space Systems/Loral  
Palo Alto, CA
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of a Space Systems/Loral FS-1300 series satellite assembly containing non-DOT specification pressure vessels pressurized with certain Division 2.2 materials up to 2,000 psig. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.302 in that non-specification packaging is not authorized, except as provided herein.
5. BASIS: This exemption is based on the application of Space Systems/Loral dated January 4, 2005 submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Argon, compressed	2.2	UN1006	N/A
Helium, compressed	2.2	UN1046	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Xenon, compressed	2.2	UN2036	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification pressure vessels which are part of a Space Systems/Loral FS-1300 series satellite assembly described in SS/L's application on file with the Office of Hazardous Materials Exemptions and Approval (OHMEA). The containers are Pressurant Tanks (Loral Part Nos. E137830-01, E137830-02 and E137830-04): Aluminum Alloy 6061-T6 cylinders with graphite-epoxy composite (T1000) overwrap, fitted with metal bosses at each end. The tanks are 13 inches in diameter and 39 inches long, designed and tested for a working pressure of 4000, 2700 and 2700 psig per SS/L Specifications E125301, E172856 and E245929 and information provided in SS/L's application on file with the OHMEA. The tanks may not be charged to a pressure exceeding 2,000 psig during transportation.

b. OPERATIONAL CONTROLS: The satellite must be shipped in the Satellite Container Shown on SS/L drawing 37957 on file with the OHMEA.

8. SPECIAL PROVISIONS:

a. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

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- b. The satellite shipping container must be marked "DOT-E 13135" on two opposite sides in letters at least 2 inches in height on the contrasting background.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, cargo vessel, cargo aircraft only, and passenger-carrying aircraft.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

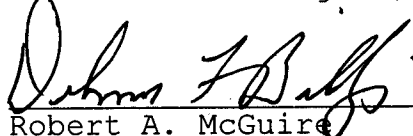
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any

incident involving a package, shipment or operation  
conducted under terms of this exemption.

Issued in Washington, D.C.



Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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DATE

Address all inquiries to: Associate Administrator for Hazardous  
Materials Safety, Pipeline and Hazardous Materials Safety  
Administration, Department of Transportation, Washington, D.C.  
20590. Attention: DHM-31.

Copies of this exemption may be obtained by accessing the  
Hazardous Materials Safety Homepage at  
<http://hazmat.dot.gov/exemptions> Photo reproductions and legible  
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PO: AM